

AGROSKIN, A. A., Prof., VNIIPodsemgaz Inst. (Moscow) "Die Änderung des Elektrischen Widerstandes von Kohle beim Erhitzen."

SO: Bergakademie Zeitschrift für Bergbau, Hüttenwesen, und verwandte Wissenschaften, No. 6, June 1957.

AUTHOR: Agroskin, A.A.

65-12-8/9

TITLE: Changes in the Heat Conductivity and Thermal Diffusivity
in Heating of Coals (Izmeneniye teploprovodnosti i
temperaturoprovodnosti pri nagrevanii ugley)

PERIODICAL: Khimiya i Tekhnologiya Topliva i Masel, 1957, No.12,
pp. 57 - 64 (USSR)

ABSTRACT: An investigation of thermal conductivity and thermal diffusivity of samples of Moscow brown and Lisichanskiy long flame coals as well as samples of the blend used in the Moscow Coke Oven Works was carried out. On the basis of the results obtained and literature data, a general relationship of the dependence of coefficients of heat conductivity and heat diffusivity on temperature was obtained (Figs. 7 and 8, respectively). Mean change of the temperature coefficient of heat conductivity for the temperature range 0-100, 100-300, 300-1000 and 0-1000 °C for crushed and uncrushed specimens of coal is given in Table 2. There are 8 figures, 2 tables and 10 references, 7 of which are Slavic.

ASSOCIATION: VNII Podzemgaz,

AVAILABLE: Library of Congress.
Card 1/1

AGROSKIN, A.A., doktor tekhn.nauk; SUKHOTINSKAYA, T.M.; FEDOROV, N.A.

Moisture balance in the process of underground gasification. Podzem.
gaz.ugl. no.1:25-28 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley.
(Coal gasification, Underground)

AGROSKIN, A.A., doktor tekhn. nauk, prof.

~~Effect~~ Effect of moisture on calorific value and electric properties of
coals. Podzem. gaz. ugl. no. 2:43-49 '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal--Testing)

AGROSKIN, A.A. doktor tekhn.nauk, prof.

Heat balance in the process of underground gasification.
Podzem. gaz. ugl. no.3:41-43 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal gasification, Underground)

AGROSKIN, A.A., doktor tekhn. nauk prof.; MIRINGOF, N.S.

Dynamics of liberation of volatile substances on heating solid
fuels. Podzem. gaz. ugl. no.4:9-15 '58. (MIRA 11:12)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal gasification--Testing) (Volatility)

AGROSKIN, Anatoliy Abramovich; ZINGER, S.L., red.izd-va; KARASEV, A.I.,
tekhn.izd.

[Ways of expanding the supply of coking coal] Puti rasshireniia
ugol'noi bazy koksovaniia. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1959. 130 p. (MIRA 12:2)
(Coal)

AGROSKIN, Anatoliy Abramovich, prof.; CHERNYSHEV, D.M., red.; PETRUSHA,
L.F., red. 1st-va; ISKRA, P.G., tekhn.red.

[Thermal and electric properties of coals] Teplovye i elektricheskie svoistva uglei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 265 p. (MIRA 12:10)
(Coal)

AGROSKIN, A.A., doktor tekhn.nauk, prof.; KAZAK, V.N.

Participation of enclosing rocks in the process of underground coal gasification. Podzem. gaz. ugl. no.1:42-46 '59.

(MIRA 12:6)

1. VNIIPodzemgaz.

(Coal gasification, Underground)

(Gases in rocks)

AGROSKIN, A.A., doktor tekhn. nauk, prof.; REZNIKOV, A.D.

Effect of certain factors on the electrical resistance of coal.
Podzem. gaz. ugl. no.1:53-57 '59. (MIRA 12:6)

1.VNII Podzemgaz.
(Coal--Electric properties) (Coal geology)

AGROSKIN, A.A., prof., doktor tekhn.nauk; KAZAK, V.N.

Heating in depth of the coal seam and the enclosing rocks in the process of underground gasification. Podzem.gaz.ugl. no.2:10-15 '59. (MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gasifikatsii ugley.

(Coal gasification, Underground) (Heat--Transmission)

AUTHOR: Agroskin, A.A.

SOV/65-59-7-3/12

TITLE: Change of Electrical Resistance during the Heating of Coal (Izmeneniye elektricheskogo soprotivleniya pri nagrevanii ugley)

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1959, Nr 7, pp 7-14 (USSR)

ABSTRACT: The object of the work described was the development of methods for measuring the electrical resistance of coal during its heating and their use for the study of the dependence of resistance on temperature, heating rate and degree of metamorphism. The method adopted was a development of earlier work by Agroskin (with I.G. Petrenko (Ref 7) and with A.G. Gesse). The apparatus (Fig 1) enables a pressure of 1 kg/cm² to be applied of a 30 g coal charge in a 50 mm diameter quartz tube. Heat-resisting steel electrodes with suitable leads and insulation are used to make electrical contact. The quartz tube is enclosed in another 60 mm diameter quartz tube with an external heater for heating up to 1000 °C. Suitable circuits (Fig 2) are provided for temperature measurement and control. The coal sample is ground to

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Change of Electrical Resistance during the Heating of Coal

1 mm and dried to constant weight at 105 °C. It was found that resistance values with A.C. and D.C. were practically identical; but the author considers that the values of resistivity obtained give only the order of magnitude. From 0 to 200 °C coals show a constant fall in resistance, while brown coals and shales show a sharp fall from 0 to 50-100 °C, followed by a rise to 200 °C (Fig 4). In the range 200-800 °C the logarithm of the resistivity of coals and shales changes almost linearly. The higher the temperature to which a coal has been heated, the less the recovery of resistance on cooling. With both coals and shales the resistance increases with increasing heating rates; the values with slow rates approximate more closely to the "true" resistance at the given temperature. Least conductivity was shown by coals in an intermediate state of carbonization; it increases somewhat on going over to weakly metamorphized coal, and is much higher for

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Change of Electrical Resistance during the Heating of Coal

lean coals and anthracite; differences for coals tend to disappear with increasing heating temperature. There are 5 figures and 11 references, 7 of which are Soviet, 2 English and 1 French, 1 German.

ASSOCIATION: VNII Podzemgaz

Card 3/3

KANTOROVICH, Boris Veniaminovich. Prinsipal uchastiye IVANOV, V.M., kand. tekhn.nauk. AGROSKIN, A.A., prof., doktor tekhn.nauk, retsenzent; PITIN, R.N., kand.tekhn.nauk, nauchnyy red.; LANOVSKAYA, M.R., red.izd-va; KARASEV, A.I., tekhn.red.

[Introduction to the theory of coal combustion and gasification]
Vvedenie v teoriyu gorenia i gazifikatsii tverdogo topliva.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 355 p. (MIRA 13:10)
(Combustion) (Coal gasification)

AGROSKIN, A.A., doktor tekhn.nauk; MIRINGOF, N.S., inzh.

Dynamics of the evolution of volatile products of peat during.
Torf.prom. 37 no.7: 22-24 '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley.
(Peat gasification)

AGROSKIN, Anatoliy Abramovich, prof.; ETTINGER, I.L., otv. red.; GARBER,
T.N., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Coal chemistry and technology] Khimiia i tekhnologiya uglia. Mo-
skva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961.
251 p.

(Coal)

(MIRA 14:10)

PHASE I BOOK EXPLOITATION

SOV/5219

Agroskin, Anatoliy Abramovich

Fizicheskiye svoystva uglya (Physical Properties of Coal) Moscow, Metallurgizdat, 1961. 308 p. 2,150 copies printed.

Ed.: V.S. Zagrebel'naya. Ed. of Publishing House: S.L. Zinger.
Tech. Ed.: P.G. Islent'yeva

PURPOSE: This book is intended for engineering and scientific-technical workers of the by-product coke and coal industries. It may also be used by students in related schools of higher education.

COVERAGE: The book, which discusses present-day concepts of the structure and petrographic composition of coals, provides a comprehensive study of research to date on the physical properties of coals. The effect of a number of factors on the specific gravity and bulk weight of coals is studied, and methods for increasing the bulk weight of coals with a view to coking are evaluated.

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Physical Properties of Coal

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The mechanical properties of coals are discussed, and data are given on their thermal and temperature conductivity and heat capacity, electrical resistance, as well as their dielectric, optical and magnetic properties. Special attention is given to the physical properties of heat-treated coals. The following personalities are mentioned: S.M. Grigor'yev, Doctor of Technical Sciences, V.S. Zagrebel'naya, Candidate of Technical Sciences, R.N. Pitin, Candidate of Technical Sciences, and I.G. Petrenko, Candidate of Chemical Sciences (bulk weight of coals); N.S. Miringof (thermal properties of coals); S.N. Lyandres, Candidate of Technical Sciences and A.D. Reznikov (electrical properties of coals); S.G. Aronov, Doctor of Technical Sciences, Professor V.I. Kosatochkin, Doctor of Chemical Sciences, Ye. M. Tayts, Doctor of Technical Sciences, and D.M. Chernushev, Candidate of Technical Sciences, and G.M. Denisova. References accompany each chapter.

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1. Molecular structure	5
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AGROSKIN, Anatoliy Abramovich; PANINA, Yevdokiya Fedorovna;
STUKOVNIN, N.D., red.; GOROKHOVA, S.S., tekhn. red.

[Laboratory work on the chemistry and technology of coal]
Laboratornye raboty po khimii i tekhnologii uгля. Moskva,
Gos. izd-vo "Vysshaya shkola," 1961. 131 p. (MIRA 15:2)
(Coal--Analysis)

AGROSKIN. A.A.

Possibility of widening the workable coal basis. Rev min
12 no. 7:323-325 JL '61.

AGROSKIN, Anatoliy Abramovich; SHELKOV, Aleksandr Konstantinovich;
PTITSYNA, V.I., red. izd-va; ATTOPOVICH, M.K., tekhn. red.

[Increasing the supply of coking coal] Rasshirenie ugol'noi
bazy koksovaniia. Moskva, Metallurgizdat, 1962. 303 p.
(MIRA 15:10)

(Coke industry)

AGROSKIN, A.A.; GONCHAROV, Ye.I.

Heat capacity of coal. Koks i khim. no.7:8-13 '65.

(MIRA 18:8)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti.

AGROSKIN, A.A., prof.; RAVICH, B.M., kand. tekhn. nauk; ANDREYFVA, I.A., inzh.

Ways of preparing coke from coal of the Vorgan-Shor deposit
by preliminary briquetting. Izv. vys. ucheb. zav.; gor. zhur.
8 no.7:194-196 '65. (MIRA 18:9)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti (for Agroskin). 2. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Ravich, Andreyeva). Rekomendovana kafedroy energetiki Vsesoyuznogo zaochnogo instituta pishchevoy promyshlennosti.

AGROSKIN, Anatoliy Abramovich. Prinimali uchastiye: GRIGOR'YEV,
S.M., doktor tekhn. nauk; PITIN, R.N., doktor tekhn.
nauk; PETRENKO, I.G., kand. khim. nauk; GOL'BERG, I.I.,
kand. fiz.-matem. nauk; ZAGREBEL'NAYA, V.S., kand.
tekhn. nauk, dots.; GONCHAROV, Ye.I.

[Physics of coal] Fizika uglia. Moskva, Nedra, 1965.
351 p. (MIRA 19:1)

AGROCHIN, A.A., doktor tekhn.nauk; BARSKIY, Yu.P., kand.tekhn.nauk;
GONCHAROV, Ye.I., inzh.; KANAVETS, P.I., kand.tekhn.nauk

Measurement of the heat capacitance of solid fuels heating
to temperatures up to 1000°C. Izv.vys.ucheb.zav.; energ.
8 no.12:51-57 D '65. (MIRA 19:1)

1. Vsesoyuznyy zaochnyy institut pishchevoy promyshlennosti;
Institut goryuchikh iskopayemykh, Moskva, i Vsesoyuznyy
nauchno-issledovatel'skiy institut fiziko-tekhnicheskikh i
radiotekhnicheskikh izmereniy. Predstavlena kafedroy
energetiki. Submitted December 23, 1964.

AGRO KIN, A.I.

Agroskin, A.I. "On the question of the most favorable distribution of direction weights in simple basic grids", Trudy Novosib. in-ta inzhenerov geodezii, aerofotos" yemki i kartografi, VolIII, 1948, p. 21-32

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

AG-RDSKIN, A-1

AUTHOR: None Given

6-58-4-18/18

TITLE: Chronicle (Khronika)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 4, pp. 79-80 (USSR)

ABSTRACT: From February 15, to February 22, 1958 the XII. Scientific and Technical Conference took place at the Novosibirsk Institute of Engineers of Geodesy, Aerial Photography, and Cartography. The results obtained by the work performed by the Institute in 1957 were made known. The conference was attended by about 200 geodesists and cartographers of 20 scientific and production organizations of Novosibirsk, Stalingrad, Kuybyshev, Sverdlovsk, Omsk, Tomsk, Abakan, Krasnoyarsk. Among them were the geodesists occupied with building the hydraulic power plants of Kuybyshev, Novosibirsk and Krasnoyarsk. Lectures delivered at the plenary session: S.A.Kapustin on "Critique of Modern Reformist Theories of State Monopoly Capitalism", R.G.Bannova on "The Penetration of Marxist Ideas into Russia between the Forties and Seventies of the 19th Century", N.V.Shubin on "Soviet Geodesy and Cartography on the Occasion of the 40th Anniversary of the Great Socialist October Revolution", M.N.Kolobkov on the "Unified Power System of Central

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6-58-4-18/18

Chronicle

Siberia and its Importance for the Economic Development of this Region". The following 15 lectures were delivered at the sessions of the department for geodesy: Docent A.I. Agroskin "On the Problem of Angle-Observation in Triangulation" (by which the opinion expressed by Yu.A. Aladzhalov is refuted). Docent V.N. Gan'shin "Efficient Methods of Solving Major Geodetical Problems". Docent A.V. Butkevich "On the Elimination of Successive Approximation in Some Geodetical Calculations". Docent A.A. Vizgin and V.P. Napalkov "The Analysis of the Accuracy of Geodetic Leveling". Chief Engineer I.Ye. Donskikh of the geodetical sector of the Orgenergostroy on "Experience Gathered in Connection with the Determination of Coordinates in the Dam-Tunnel of the Kuybyshev Hydraulic Power Plant". A.A. Meshcheryakov, Candidate of Technical Sciences on "The General Theory of Euler Projection". Chief Geodesist V.P. Utin of the Leningrad Expedition on "Geodetical Work Carried out on the Building Site of the Krasnoyarsk Hydraulic Power Plant". Docent G.I. Znamenshchikov "On the Reducing of the Length of Curved Lines Measured on Maps to the Scale of 1 : 1". (Here it is shown that the method developed by Professor N.M. Volkov has some basic faults). Chief of the Geological Research Expedition of Omsk, Candidate of Technical Sciences D.N. Fialkov on "The Qualitative Characteristic of Vertical Motions of the Earth's

Card 2/3

Chronicle

6-58-4-18/18

Crust in the Steppe Region on the River Irtysh". Docent
V.V.Yegorov "Modern Large-Scale Topographical Maps and Ways and
Means of Attaining their Further Improvement". I.I.Markson
"The Demands made with Respect to the Representation of Soil
Vegetation on Large-Scale Topographical Maps".
Professor K.L. Provorov, director of the NIIGAiK, in closing the
conference, gave a summary of the results obtained.

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1. Geodetics--Conference
2. Aerial photography--Conference
3. Cartography--Conference

Card 3/3

3(4)

AUTHOR:

Agroskin, A.I., Docent, Candidate
of Technical Sciences

SOV/154-59-6-1/19

TITLE:

On the Problem of Combining Classical Methods of Angular
Measurements

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"ymka,
1959, Nr 6, pp 3 - 9 (USSR)

ABSTRACT:

It is stated in the beginning that the application of any
classical observation method in the "pure" form is undesirable
if there are more than six directions. It is proven that the
joint use of the method of measuring angles in sets with
the angular measurement in all combinations yields better
results. This procedure is based on the interchangeability
of the two classical methods. The "method of the 3 directions"
suggested by Yu. A. Aladzhhalov (Ref 1) is evaluated on the
strength of these statements. Aladzhhalov's conception is
proven wrong. Aladzhhalov holds the opinion that the two
methods (measuring angles in sets and in all combinations)
are merely special limit cases of a general rule. Based on
the interchangeability principle, formulas are given for the
estimation of the accuracy of observation results (which are

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On the Problem of Combining Classical Methods
of Angular Measurements

SOV/154-59-6-1/19

obtained in the combination of the classical methods). In such cases where the series consists of 3 directions, these formulas are identical with those by Aladzhalov. It is finally pointed out that the denomination of "incomplete sets" used in the "Instruktsiya po triangulyatsii 1, 2, 3 i 4 klassov" (Instructions for the Triangulation of the 1st, 2nd, 3rd, and 4th Order) from 1956 for the method of the 3 directions, does not satisfy the essence of the observation method. The formula by N.A. Urmayev (Ref 3) is used for the proof mentioned at the beginning. There are 1 figure, 2 tables, and 4 Soviet references.

ASSOCIATION: Novosibirskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii (Novosibirsk Institute of Geodetic, Aerial Survey and Cartographic Engineers)

SUBMITTED: September 1, 1958

Card 2/2

AUTHOR: Agroskin, A. I., Docent, Candidate of S/154/60/000/01/008/017
Technical Sciences B007/B123

TITLE: On the Adjustment of Extensive Triangulation Nets

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka,
1960, Nr 1, pp 75-78 (USSR)

TEXT: The method used at present to adjust triangulation nets of the second order demands extensive calculations. For adjusting extensive geodetic constructions a method of dividing the net into blocks, which was worked out by the author, is recommended. By this method high efficiency is achieved while the accuracy of calculations is maintained. This procedure is based on the following principle: First, a plan for dividing the net into blocks is worked out. The shape and dimensions of the blocks are determined according to their practical usability. The blocks do not touch at all common points but only at intersections situated at certain intervals (Figs 1 and 2). Along the edges of neighboring blocks, in the intervals between the intersections - as seen from the mathematical point of view - "gaps" occur in the net. The divided net is adjusted by the method of least squares. This can be done for each single block, which is easier and simpler. If the block dimensions are limited, computers and small calculating machines can be used. The method described here also has

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On the Adjustment of Extensive Triangulation Nets

S/154/60/000/01/008/017
B007/B123

considerable advantages over the method of "calculating triangles" suggested by Hungarian geodesists. There are 2 figures.

ASSOCIATION: Novosibirskiy institut inzhenerov geodezii, aerofotos"yemki i
kartografii (Novosibirsk Institute of Geodetic, Aerial Survey, and
Cartographic Engineers)

Card 2/2

S/035/62/000/002/048/052
A001/A101

AUTHORS: Agroskin, A. I., Golovatskiy, B. A.

TITLE: Scale range finder

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 2, 1962, 34,
abstract 2G226 ("Tr. Novosib. in-ta inzh. geod., aerofotos"yemki i
kartografii", 1961, v. 14, 95 - 103)

TEXT: The authors describe a scale range finder with a rod of constant length. The range finder is intended for linear measurements in theodolite traverses and analytic networks constructed by the principle of linear triangulation. A specific feature in the design of this range finder consists in that a uniform scale is mounted in the vertical plane of the telescope with inner focusing; the scale is moved by means of a precision micrometric screw. The Novosibirsk Institute of Engineers of Geodesy, Aerial Photosurvey and Cartography has constructed the model of the scale range finder by using the following parts: the stand of a TT-50 theodolite, the telescope of a TT (NT) level, the scale of a DNB-2 (DNB-2) range finder headpiece, and the micrometer of the control telescope of a 5"-universal instrument. A vertical circle is fastened to the range finder

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AGROSKIN, I.I.; PROKOPETS, M.M.; POPOV, S.N.

Dewaxing filter stock of the refined Surakhany oil in a naphta solution with an aluminum stearate additive. Izv. vys. ucheb. zav.;
neft' i gaz 4 no.6:73-80 '61. (MIRA 15:1)

1. L'vovskiy politekhnicheskii institut.
(Apsheon Peninsula--Paraffins)

AGROSKIN, I. I.

Tables for Hydraulic Calculations. State Power Press, Moscow-Leningrad: 1946. 197 pp.
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

AGROSKIN, I. I.

Agroskin, I. I. and Dmitriyev, G. T. "Study of the kinematic structure of water-way current in flowing around a vertical cylinder," Nauch. zapiski (Mosk. gidrorel'iorat. in-t im. Vil'yarsa), Vol. XVII, 1948, p 47-70 - Bibliog: p. 70

SO: U-3264 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

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Author: Agri. Sci. 1950

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AGROSKIN, I.I.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
<u>Agroskin, I.I.</u>	"Hydraulics" (textbook,	Moscow Institute of Water
<u>Dmitriyev, G.T.</u>	2d edition)	Economy Engineers imeni
<u>Pikalov, F.I.</u>		V. R. Vil'yams

SO: W-30604, 7 July 1954

USSR/Engineering - Hydraulics, Canals

Sep 52

"Calculation of the Critical Depths in Trapezoidal Canals," Prof I. I. Agroskin

Gidrotekh i Meliorats, No 9, pp 21-24

Develops calculation method which is, in author's opinion, more convenient than method suggested in his previous work, "Tables for Hydraulic Calculations," published in 1946. According to new method crit depth of trapezoidal canal is detd from crit depth of rectangular canal of same width and with similar discharge. Values of coeff required for such detn are given in table.

247T44

695. Agrosain, I. I., Design of trapezoidal channels based on the ~~modified~~ characteristics of cross section (in Russian), *Gidrotekhnika i Melior* no. 9, 14-32, Sept. 1953.

A dimensionless number, including the depth, the midwidth, and a function of side slope, is introduced and called characteristic of cross section. Computations are highly simplified by four tables of values appended to article. S. Kohupala, USA

Hydrology

AGROSKIN, I.I., professor, doktor tekhnicheskikh nauk.

Calculation of the velocity factor C. Gidr.stroi. 22 no.10:44-45 0 '53.

(MIRA 6:10)

(Hydraulic engineering)

AGROSKIN, Iosif Il'ich, professor, d-r tekhn. nauk, redaktor; DNITRIYEV,
Georgiy Timofeyevich, dotsent; PEKALOV, Fedor Illarionovich,
professor; FRENKEL', N.Z., redaktor; SKVORTSOV, I.W., tekhn.
redaktor

[Hydraulics] Gidravlika. Pod obshchei red. I.I. Agroskina, Moskva,
Gos. renergeticheskoe izd-vo, 1954. 484 p. (MIRA 8:1)
(Hydraulics)

AGROSKIN, I.I., professor.

Calculating interconnected depths in parabolic canals. Gidr.
1 mel. 6:62-64 N '54. (MLRA 7:11)
(Hydrodynamics)

AGROSKIN, I.I. (Moskva)

Remarks on A.D. Al'tshul's paper. Izv.AN SSSR.Otd.tekh.nauk
no.5:99-102 My '56. (MLRA 9:8)
(Hydrodynamics) (Al'tshul, A.D.)

Agroskin, I. I.

AUTHOR: Agroskin, I.I., Professor 99-8-4-12

TITLE: "Hydraulic Calculations of Canals with Round Cross Sections"
(Gidravlicheskiy raschet kanalov krugovogo ochertaniya)

PERIODICAL: "Gidrotekhnika i Melioratsiya", 1957, Nr 8, pp 18-26 (USSR)

ABSTRACT: Industrialization of irrigation structures calls for replacement of earth canals by thin-walled concrete troughs with round cross sections. Thereby the problem of losses through seepage is completely solved. The introduction of through-shaped canals demands the application of simple methods for hydraulic calculations. The author lists several formulas pertaining to hydraulic movement in trough - shaped concrete canals with different profiles and various coefficients (degrees) of roughness etc., with the aid of which hydraulic calculations of trough-shaped canals can be accomplished. The article contains 14 formulas and 2 tables.

AVAILABLE: Library of Congress

Card 1/1

AGROSKIN, Iosif Il'ich; MAR'YANSKIY, L.P., red.; BORUNOV, N.I., tekhn.red.

[Hydraulic calculation of canals] Gidravlicheskiy raschet kanalov.
Moskva, Gos. energ. izd-vo, 1958. 79 p. (MIRA 11:12)
(Canals) (Hydraulics)

SOV/81-59-16-58517

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 412 (USSR)

AUTHORS: Agroskin, I.I., Popov, S.N.

TITLE: The Development of a Process of Crystallizing Solid Hydrocarbons From Ozocerite and Petrolatum in the Deoiled State

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-ta, 1958, Nr 50, pp 181-186

ABSTRACT: It has been established that the separation of high-molecular solid hydrocarbons from solutions of ozocerite and petrolatum in the form of an easy filtering deoiled powder depends on the content of resinous-asphaltic substances (RAS) in them, principally asphaltenes. Strongly resinified as well as light ozocerite which has been sufficiently purified by silicagel gives at filtration a pasty, difficultly filtering precipitate. At a content in Borislav ozocerite of ~6% RAS the latter precipitates at room temperature from 5 and 20%-solutions in the form of a quickly filtering dry powder (high-melting fraction of ozocerite). The same effect is obtained by adding 1.5% RAS to petrolatum. For this purpose Al stearate (I) can also be used instead of RAS. Its optimum quantity is 0.025% of the amount of ozocerite or petrolatum. Thus on adding 0.025% I to a 20%-solu-

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SOV/81-59-16-58517

The Development of a Process of Crystallizing Solid Hydrocarbons From Ozocerite and Petrolatum in the Deoiled State

tion of petrolatum from Surakhany oil in gasoline the time for filtering the precipitate varied in the interval 88 - 290 sec at 200 mm Hg; in this case the yield of ceresin in the form of a powder with a pour point of 79 - 76°C was 4.8 - 7.5%. A technological diagram for the processing of petrolatum with the application of I is given.

B. Englin.

Card 2/2

SOV/81-59-10-35142

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 10, p 258 (USSR)

AUTHOR: Agroskin, I.I.

TITLE: The Study of the Efficiency of the Process of Extraction From Porous Bodies 21

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-ta, 1958, Nr 50, pp 190-194

ABSTRACT: Equations have been derived showing the dependence of the average difference of concentrations on the coefficient of extraction, the ratio of the concentrations of the solvent in the surrounding medium and in the pores, and the physical properties of the phases. The concept of the efficiency factor has been considered, as well as its dependence on the coefficient of extraction and the above-mentioned ratio of concentrations at direct-flow and counter-flow. (✓)

From the author's summary

Card 1/1

ROZANOV, Nikolay Pavlovich, dotsent, kand.tekhn.nauk; AGROSKIN, I.I., doktor tekhn.nauk, prof., retsenzent; AKHUTIN, A.N., doktor tekhn.nauk, prof., retsenzent; VAKHRAMEYEV, A.K., red.; MATVEYEV, G.I., tekhn.red.

[Problems in designing hydraulic conduits operating under vacuum or in swiftly flowing current] Voprosy proektirovaniia vodopropusknykh soorushenii, rabotaiushchikh v usloviakh vakuuma i pri bol'shikh skorostiakh potoka. Moskva, Gos.energ.izd-vo, 1959. 206 p.
(MIRA 12:6)

(Hydraulic engineering)

AGROSKIN, I.I., prof.

Hydraulic calculations for trapezoid-segmental canals. Gidr. i mel.
12 no.4:25-34 Ap '60. (MIRA 13:9)

1. Moskovskiy institut inzhenerov vodnogo khozyaystva im. Vil'yamsa.
(Canals) (Hydraulics--Tables, calculations, etc.)

AGROSKIN, Iosif Il'ich, doktor tekhn. nauk, prof.; DMITRIYEV,
Georgiy Timofeyevich, dets.[deceased]; FIKALOV, Fedor
Illarionovich, prof.[deceased]; FREMKEL', N.Z., prof.;
red.

[Hydraulics] Gidravlika. Izd.4., perer. Moskva, Energiia,
1964. 351 p. (MIRA 1813)

AGROSKIN, I.I., prof. (Moskva); SHTERENLIKHT, D.V., kand. tekhn. nauk
(Moskva)

More accurate formula for the coefficient C of Chezy. Gidr.
i mel. 17 no.9:32-35 S '65. (MIRA 18:10)

24(7)	p 3	PHASE I BOOK EXPLOITATION	SOV/1365
L'vov. Universitet			
Materialy I Vsesoyuznogo novoshchaniya po spektroskopii. t. 1: Molekulyarnaya spektroskopiya (Papers of the 10th All-Union Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy) [L'vov] Izd-vo L'vovskogo univ-ta, 1957. 499 p. 4,000 copies printed. (Series: Its: Fizichnyy zbirnyk, vtp. 3/8/)			
Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po spektroskopii. Ed.: Jazov, S.L.; Tech. Ed.: Saranyuk, T.V.; Editorial Board: Lantberg, G.S., Academician (Resp. Ed., Deceased), Neporent, B.S., Doctor of Physical and Mathematical Sciences, Fabelinskiy, I.L., Doctor of Physical and Mathematical Sciences, Fabrikant, V.A., Doctor of Physical and Mathematical Sciences, Kornitskiy, V.G., Candidate of Technical Sciences, Rayskiy, S.M., Candidate of Physical and Mathematical Sciences, Klimovskiy, L.K., Candidate of Physical and Mathematical Sciences, Miliyanchuk, V.S., A. Ye., Candidate of Physical and Mathematical Sciences.			
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Card 11/30			

AGROSKIN, L.S.

KOROLIV, N.V.; AGROSKIN, L.S.

Apparatus for cytospectrophotometry. Biofizika 2 no.4:513-517 '57.
(SPECTROPHOTOMETER) (MIRA 10:9)

AGROSKIN, L.S.

AGROSKIN, L.S.

Comparing the brightness of some sources of light for ultraviolet
microscopy. Biofizika 2 no.4:518-519 '57. (MIRA 10:9)
(ULTRAVIOLET RAYS) (MICROSCOPY)

Agroskin, L.S.

AUTHORS: Pribytkova, N.N. and Agroskin, L.S.

51-5-12/26

TITLE: Study of the Optical Properties of Certain Dyes in "Bulk" State by the Method of Specular Reflection. (Issledovaniye opticheskikh svoystv nekotorykh krasiteley v "massivnom" sostoyanii metodom zerkal'nogo otrazheniya)

PERIODICAL: Optika i Spektroskopiya, 1957, Vol. 2, Nr 5, pp. 628-632 (USSR)

ABSTRACT: The specular reflection method of T.P. Kravets described in the previous article was used. The following dyes were studied: cyanine (quinoline blue), rhodamin B, brilliant green, crystalline violet and malachite green. Cyanine was prepared by melting on a glass plate. The reflection coefficients 15 minutes after preparation are given in Fig. 1. Fig. 2 shows the dependence of a reflection coefficient of cyanine on the duration of illumination. This figure clearly shows that the reflection properties of cyanine layers are light sensitive. Curves ab in Fig. 2 show the effect of illumination by artificial light for 60 days. Then the samples were melted and curves cd show the effect of subsequent illumination in artificial light. Curves de show the effects of daylight. A control sample of cyanine kept in

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51-5-12/26

Study of the Optical Properties of Certain Dyes in "Bulk" State
by the Method of Specular Reflection.

darkness did not exhibit such changes. The light-sensitive effects were not due to the action of the glass base since cyanine layers on fluorite behaved similarly. It is suggested that the action of light is photochemical in nature. In Fig.3, curves 1 and 2 represent results for cyanine samples kept in darkness and curves 3 and 4 represent the results for samples illuminated for a long time. The errors for n in Fig.3 do not exceed 5% and for K about 10%. Rhodamin B was prepared by vacuum sublimation. Dependence of its spectral coefficients on the wavelength is given in Fig.4. Again, the layers were found to be light-sensitive (Fig.5). The optical constants which are means of results for 7 pairs of samples of rhodamin B are shown in Fig.6. Brilliant green layers were obtained by melting. The reflection coefficients of brilliant green in the 360-750 $m\mu$ region are shown in Fig.7 and the optical constants in Fig.8. Crystal violet layers were deposited from a warm solution in alcohol. They were not affected by light. Their reflection coefficients are shown in Fig.9 and the optical constants in Fig.10. Malachite green layers were obtained by evaporation of a concentrated alcohol solution. They were strongly light-sensitive. All the measure-

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51-5-12/26

Study of the Optical Properties of Certain Dyes in "Bulk" State
by the Method of Specular Reflection.

ments were made within 20 minutes from the preparation of the layers. Their reflection coefficients are shown in Fig.11 and the optical constants in Fig.12. All the studied dyes exhibit anomalous dispersion. Their curves for the coefficient of absorption χ possess two maxima. The relative intensities of these maxima for cyanine and rhodamin B change on illumination of the layers, which indicates presence of absorption centres of various kinds. This work was directed by T.P.Kravets. The authors thank M.V.Savost'yanova for advice. There are 12 figures and 5 references, 1 of which is Slavic.

SUBMITTED: August 29, 1956.

AVAILABLE: Library of Congress.

Card 3/3

AGROSKIN, L.S.

Modern apparatus for cytospectrophotometry. Biofizika 3 no.3:343-354
'58 (MIRA 11:6)

(MICROSPECTROPHOTOMETRY)

RUMANIA/Optics - Optical Technology

K-4

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6687

Author : Agroskin L.S.

Inst

Title : Comparison of Brightnesses of Certain Sources of Light for
Ultraviolet Microscopy

Orig Pub : An. Rom.-Sov. Ser. biol., 1958, 12, 172-174

Abstract : No abstract

Card : 1/1

KOROLEV, N.V.; AGROSKIN, L.S.

Installation for determining the reflectivity of minerals. Geol.
rud. mestorozh. no.4:137-140 J1-Ag '59. (MIRA 13:1)

1. Gosudarstvennyy opticheskiy institut, Leningrad.
(Reflectometer) (Mineralogy)

YEVEERINOVA, T.N.; KORDIEV, N.V.; AGROSKIN, L.S.

Coacervates containing purine and pyrimidine compounds [with summary
in English]. Biofizika 4 no.1:27-51 Ja '59. (MIRA 12:1)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo univer-
siteta M.V. Lomonosova.

(PURINES,

coacervates containing purine & pyrimidine cpds.

(Rus))

(PYRIMIDINES,

same)

FEDIN, L.A.; AGROSKIN, L.S.

Television microscope as an example of the use of physical
research methods in biology. Biofizika 4 no. 4:476-482 '59.
(MIRA 14:4)

(MICROSCOPY) (TELEVISION)

24(4), 24(7)

SOV/51-6-6-33/34

AUTHORS: Agroskin, L.S. and Korolev, N.V.

TITLE: Microscope-Spectrophotometers (Mikroskopy-spektrofotometry)

PERIODICAL: Optika i spektroskopiya, 1959, Vol 6, Nr 6, pp 832-833 (USSR)

ABSTRACT: The authors describe two variants of a microscope spectrophotometer. The first variant is called the light-probe method (Fig a). In this variant the exit slit of a monochromator is replaced by a small aperture 1. This aperture is projected onto the object plane 4 by means of a semi-aluminized prism 2 and a micro-objective 3. Light collected by the objective at the required point on the object (the light-probe) passes then through a condenser 5 to a receiver 6. The microscope part is used to observe and position the object; for this purpose additional illumination via prism 7 is employed. The light-probe principle was used to construct an instrument for measurement of optical densities of small objects (dimensions up to $1 \mu^2$) at visible and ultraviolet wavelengths of the mercury spectrum. If a hydrogen lamp is used the light-probe area is greater than $100 \mu^2$. In the second variant (Fig 6) a monochromatic micro-image is projected onto an opaque screen 2 which is a concave mirror with an aperture in the centre. Light which has passed through this aperture and through the appropriate point of the

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SOV/51-6-6-33/34

Microscope-Spectrophotometers

object 1 reaches a photomultiplier 3. For visual observation an optical system 4 focused on the mirror surface was used. This arrangement makes it possible to observe the object continuously during the process of measurement. The first and second variants may be used simultaneously in a unified manner as it was done in a prototype of an industrial ultraviolet microscope-spectrophotometer MUF-4. The following types of work can be carried out with the microscope-spectrophotometers described above; (1) recording of the absorption spectra in the visible and ultraviolet regions of biological objects, dye films, solutions in microcells, organic and inorganic microcrystals, etc; (2) recording of the fluorescence spectra of organic microcrystals and live water plants; (3) recording of the ultraviolet absorption spectra of spots on paper chromatograms; (4) recording of the reflection spectra of individual phases in metals and minerals. There is 1 figure.

Card 2/2

AGROSKIN, L. S., DAVYDOVA, M. I., ZARUBINA, I. I., KOROTEV, N. V.

"Microscope-Cytophotometers for Cytochemical Analysis. (Report Not Presented.)"

report submitted for the First Conference on the problems of Cyto and Histochemistry,
Moscow, 19-21 Dec 1960.

Leningrad

AGROSKIN, L.S.; KOROLEV, N.V.

Photometric attachments to microscopes. Prib.i tekhn.eksp.
no.1:140-141 Ja-F '60. (MIRA 13:6)
(Microscope)

YEVREINOVA, T.N.; AGROSKIN, L.S.

Absorption spectra of purine and pyrimidine bases on paper chromatograms. Nauch. dokl. vys. shkoly; biol. nauki no.3:170-174'60.
(MIRA 13:8)

1. Rekomendovana kafedroy biokhimii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(Purines) (Pyrimidines) (Paper chromatography)

AGROSKIN, I.S.; BRODSKIY, V.Ya.; GEUZDEV, A.D.; KOROLEV, N.V.

Some problems in the quantitative spectrophotometric analysis
of the cell. TSitologiya 2 no.3:337-352 My-Je '60.

(MIRA 13:7)

1. Institut morfologii zhivotnykh AN SSSR, Moskva i Institut
tsitologii i genetiki Sibirskogo otdeleniya AN SSSR, Novo-
sibirsk.

(SPECTROPHOTOMETRY) (CELLS)

~~KHAN-MAGOMETOVA~~, Sh.D.; GUTKINA, A.V.; MEYSEL', M.N.; AGROSKIN, L.S.;
KOROLEV, N.V.

Ultraviolet fluorescence of some animal organs and its change after
irradiation. Biofizika 5 no. 4:446-449 '60. (MIRA 13:12)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT)
(X RAYS—PHYSIOLOGICAL EFFECT) (FLUORESCENCE)

FEDIN, L.A.; AGROSKIN, L.S.

Microscope with television, an example of application of
physical methods of research in biology. Analele biol 14
no.1:181-191 Ja-Mr '60.

✱

POMISHCHNIKOVA, N.A.; AGROSKIN, L.S.

Ultraviolet fluorescence excitation spectra of irradiated yeast and their brightness. Radiobiologiya 1 no.6:838-842 '61. (MIRA 15:2)

1. Institut mikrobiologii AN SSSR, Moskva.
(X RAYS__PHYSIOLOGICAL EFFECT) (FLUORESCENCE)
(ULTRAVIOLET RAYS__PHYSIOLOGICAL EFFECT)

AGROSKIN, L.S.; KOROLEV, N.V.

Microscope-spectrofluorimeter for the ultraviolet region. Biofizika
6 no.4:478-485 '61. (MIRA 14:7)

(FLUORESCENCE MICROSCOPY)

AGROSKIN, L.S.; KOROLEV, N.V.; KULAYEV, I.S.; POMOSHCHNIKOVA, N.A.

Fluorescence of nucleic acids in solution. Dokl.AN SSSR 136 no.1:
226-229 Ja '61. (MIRA 14:5)

1. Predstavleno akademikom N.M.Sisakyanom.
(Nucleic acids) (Fluorescence)

AGROSKIN, L.S.; BARSKIY, I.Ya.

Excitation spectra and intensity of natural fluorescence of cells.
Dokl. AN SSSR 139 no.4:987-990 Apr '61. (MIRA 14:7)

1. Predstavleno akademikom A.N. Tereninym.
(Fluorescence) (Cells)

AGROSKIN, L.S.

Errors in cytophotometry. TSitologiya 5 no.5:585-595 S-0 '62.
(MIRA 18:5)

1. Gosudarstvennyy opticheskiy institut, Leningrad.

AGROSKIN, L.S.; POMOSHNIKOVA, N.A.

Study of the excitation spectra of natural fluorescence in
micro-organisms. Biofizika 7 no.3:292-297 '62. (MIRA 15:8)

1. Instiut mikrobiologii AN SSSR, Moskva.
(MICRO-ORGANISMS) (FLUORESCENCE)

AGROSKIN, L.S.; KOROLEV, N.V.

Monochromators for microspectrophotometers. Prib. i tekhn. eksp.
8 no.4:135-138 J1-Ag '63. (MIRA 16:12)

1. Gosudarstvennyy opticheskiy institut.

ACRUKIN, I.S.

Ultraviolet microfluorimetry of the cell. Mikroskop 5 no.4:
476-496 31-ig '63. (M. 37:8)

I. Gosudarstvennyy opticheskiy institut, Leningrad.

AGROSKIN, L.S.

Cytospectrophotometry of cells in the visible spectral region.
Biofizika 9 no.4:456-462 '64. (MIRA 18:3)

1. Gosudarstvennyy opticheskiy institut.

AGROSKIN, L.S.

Effect of irregular lighting on the results of two-wavelength
cytophotometry. TSitologiya 7 no.2:265-269 Mr-Apr '65. (MIRA 18:7)

1. Gosudarstvennyy opticheskiy institut, Leningrad.

AGROSKIN, M. A.

Agroskin, M. A. - "Observations of a therapist on early sepsis," Trudy Medinsti-
tuta (Izhev. gos. med. in-t), Vol. VII, 1949, p. 131-36

SO: U-3950, 16 June 53, (Letapis 'Zhurnal 'nykh Statey, No. 5, 1949).

AGROSKIN, M. A.

36847. K voprosu o naryshenii sekretornoy i ekskretornoy funktsii zheludka pri krupoznoy pnevmonii. Trudy Med. In-ta (Izhev. gos. med. in-t), t. IX, 1949, c. 47-49

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

AGROSKIN, S. I.

"Cases of Mucocoele of the Maxillary Sinus," Vest. oto-rin., 14, No.5, 1952

Ag. 0001, D. 1.

Tuberculosis

Clinical and histopathological considerations on tuberculosis mastoiditis in children.
Vest.oto-rin 15, no. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

AGROSKIN, S.I.

Diagnosis of primary sarcomas of the temporal bone in children.
Vest.oto-rin. 16 no.1:75-76 Ja-P '54. (MLRA 7:3)

1. Iz oto-laringologicheskogo otdeleniya (zaveduyushchiy - dotsent
F.F.Malomuzh) detskoy bol'nitsy im. Dzerzhinskogo, Moscow.
(Temporal bone--Tumors)

AGROSKIN, S.I., zasluzhennyy vrach RSFSR; DAVYDOVICH, Ye.P.

Tuberculosis of the upper respiratory tract in children [with summary in English]. *Pediatrics* 36 no.1:43-48 Ja '58. (MIRA 11:2)

1. Iz LORotdeleniya (zav. - dotsent F.F.Malomuzh) Detskoy bol'nitsy imeni F.E.Dzerzhinskogo (glavnyy vrach A.N.Kudryasheva)
(RESPIRATORY ORGANS--TUBERCULOSIS)
(CHILDREN--DISEASES)

AGROSKIN, S. I., kand. med. nauk; LYALINA, N. A.

Influenzal laryngotracheitis in children. Vest. otorin. no.1:
67-72 '62. (MIRA 15:7)

1. Iz Otorinolaringologicheskogo otdeleniya detskoy gorodskoy
klinicheskoy bol'nitsy No. 1, Moskva.

(INFLUENZA) (LARYNX--DISEASES) (TRACHEA--DISEASES)

AGROSKIN, S. I., kand. med. nauk, zaslužennyy vrach RSFSR; BYKOVA, G. P.,
starshiy inzhener; SHUSTROVA, A. Ya., inzhener

New laryngological instruments for children. Vest. otorin. no.2:
87-88 '62. (MIRA 15:2)

1. Iz detskoy klinicheskoy bol'nitsy No. 1 i iz Nauchno-issledovatel'-
skogo instituta eksperimental'noy khirurgicheskoy apparatury i
instrumentov, Moskva.

(LARYNGOSCOPE AND LARYNGOSCOPY)

KAPELYUSHNIKOV, M.A.; CHIZHEVSKIY, N.P.; AGROSKINA, A.A.

The production of aromatic compounds in coke ovens. Stal' 7 no.1:
77 '47. (MIRA 9:1)
(Coke ovens) (Aromatic compounds)

LOKHANIN, A.K., inzh.; POGOSTIN, V.M., inzh.; Prinimali uchastiye: AGROSKIN, L.M., laborant; LUR'YE, I.I., inzh.

Calculation of the capacitance of high-voltage transformers windings.
Elektrotehnika 35 no.7:36-38 '64. (MIRA 17:11)

ARDASHNIKOVA, I.A.; AGROSKINA, M.G.

Assortment of woolens. Tekst.prom.14 no.1:11-12 Ja '54.

(MLRA 7:2)

(Woolen and worsted manufacture)

AGROSKINA, S.G.

New fabrics manufactured by the Pavlovo-Posad Wool and Worsted
Combine. Tekst.prom. 23 no.8:23-25 Ag '63. (MIRA 16:9)

1. Starshiy dessinator Pavlovo-Posadskogo kamvol'nogo kombinata.
(Pavlovskiy Posad—Textile industry)

AGRYZKOV, N.A., kandidat tekhnicheskikh nauk; OBREZKOV, S.S., redaktor;
LARIONOV, G.Ye., tekhnicheskii redaktor.

[Gunit work in the building of hydroelectric power stations] Torkretnye
raboty na stroitel'stve gidroelektrostantsii. Moskva, Gos. energ izd-vo,
1953. 118 p. (MLRA 7:7)
(Gunit) (Hydroelectric power stations)

AGRYZKOV, Nikolay Aleksandrovich; TEST, M.I., redaktor; CHERNOV, V.S.,
tekhnicheskii redaktor

[Manual for gunite workers] Pamiatka torkretchika. Moskva, Gos.
energ.izd-vo, 1957. 54 p. (V pomoshch' gidroenergeticheskim
stroikam, no.22) (MLRA 10:10)
(Gunite)

8(6), 14(10)

SOV/112-58-3-4686

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, Nr 3, p 55 (USSR)

AUTHOR: Agryzkov, N. A., and Shipilov, A. P.

TITLE: Properties of Gunitite Applied to the Materials of Orto-Tokoy Hydroelectric Development (Svoystva torkreta na materialakh Orto-Tokoyskogo gidrouzla)

PERIODICAL: Tr. Sredneaz. n.-i. in-ta irrigatsii, 1957, Nr 90, pp 35-47

ABSTRACT: Methods and quality of materials used in testing gunitite for strength, impermeability, tension and bond to rock materials are described. The investigations show that gunitite exhibits a strong bond with concrete, iron, and rock; the shearing strength of gunitite with respect to the base material is 2.5 times as high as the tearing-off strength, and the latter constitutes about 50% of the tensile strength. Bibliography: 7 items.

G.S.G.

Card 1/1

AGRYZKOV, Nikolay Aleksandrovich; TISTROVA, O.N., red.; PAVLOVA, T.I.,
tekh.red.

[Injecting grouting into the gap behind the lining of hydraulic
engineering tunnels] Nagnetanie za obdelku gidrotekhnicheskikh
tunnelei. Moskva, Gos.energ.izd-vo, 1960. 45 p. (MIRA 13:4)
(Tunnels) (Hydraulic engineering)